

FIG. 1

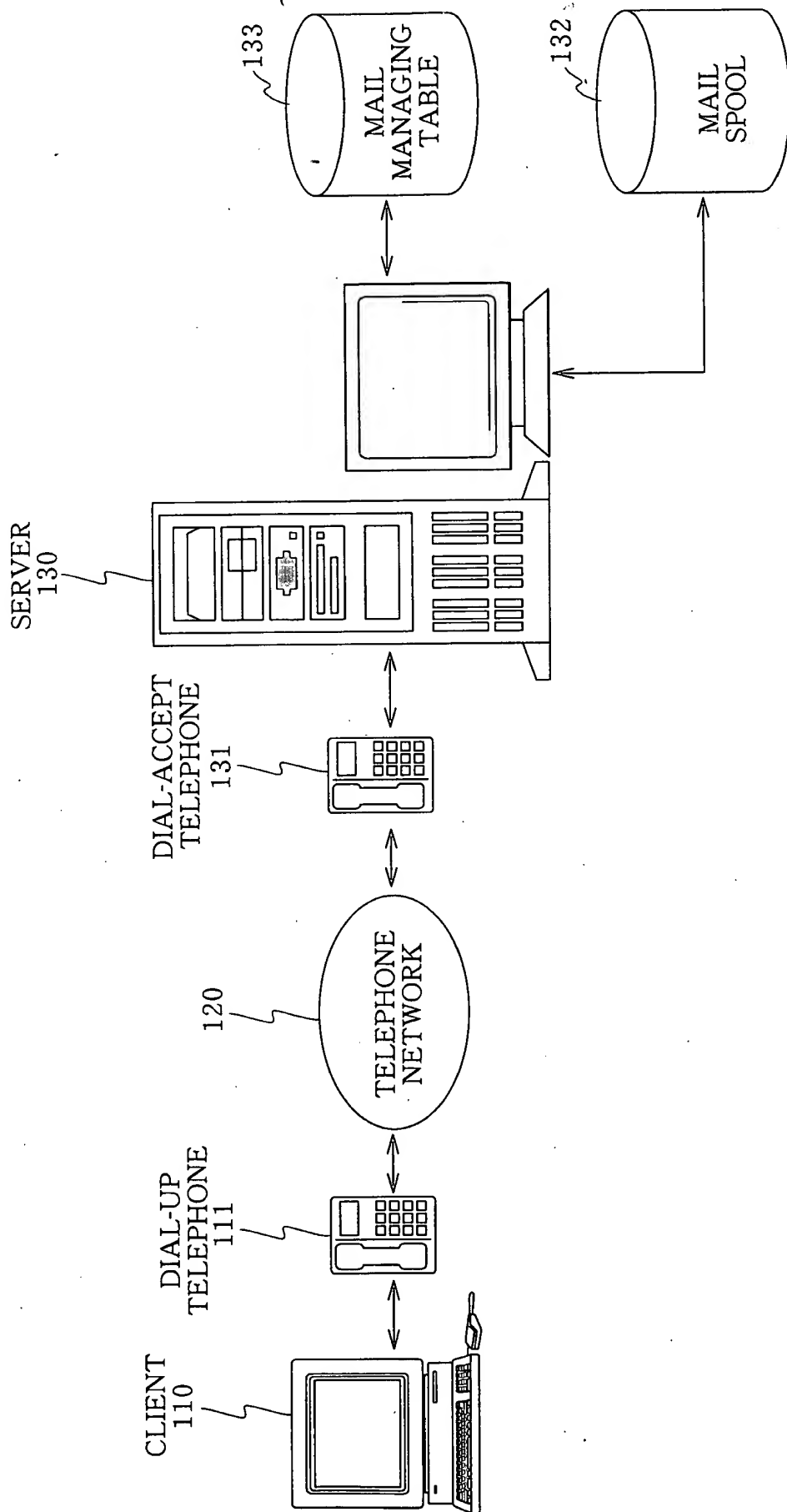


FIG. 2

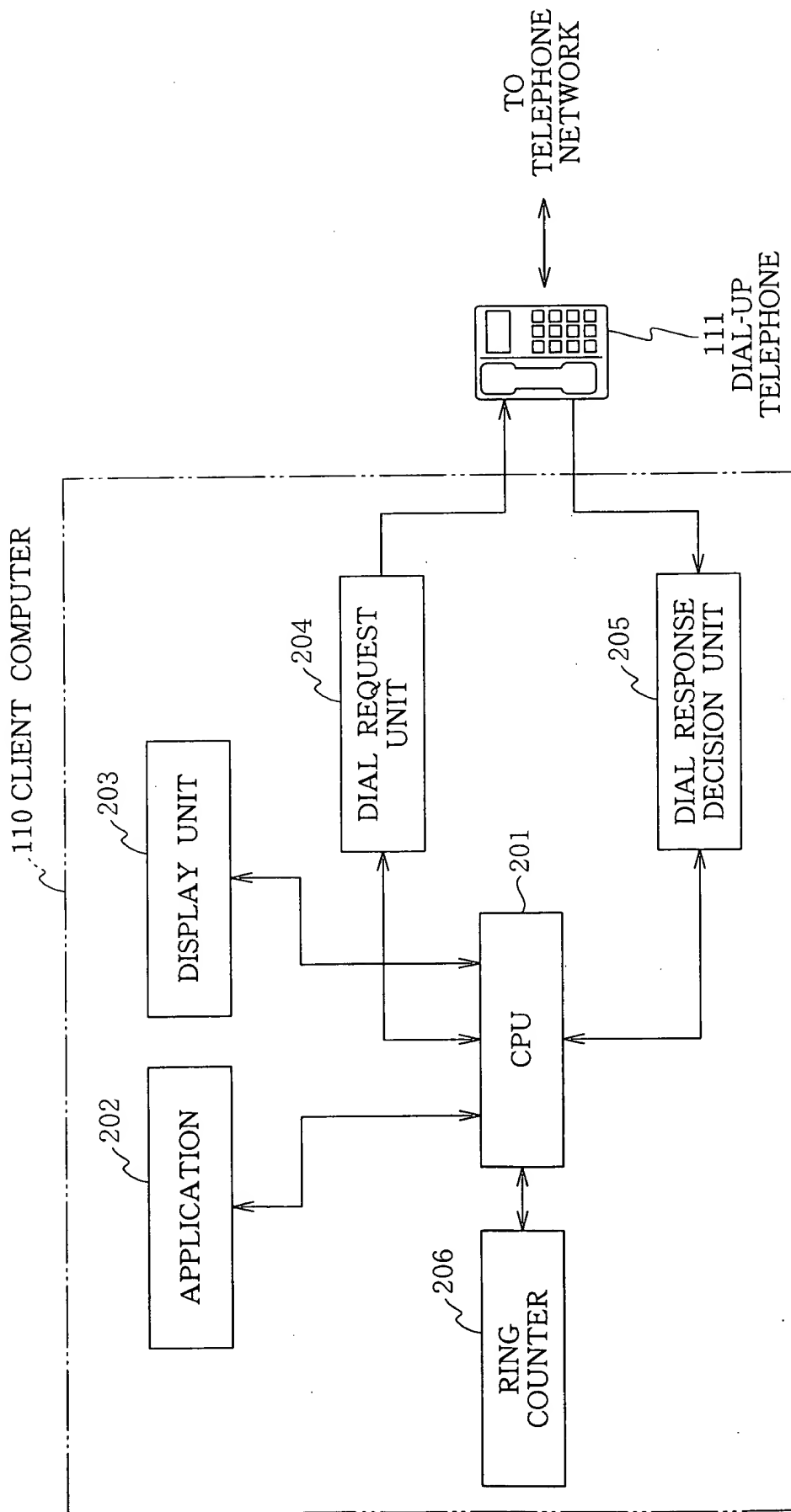


FIG.3

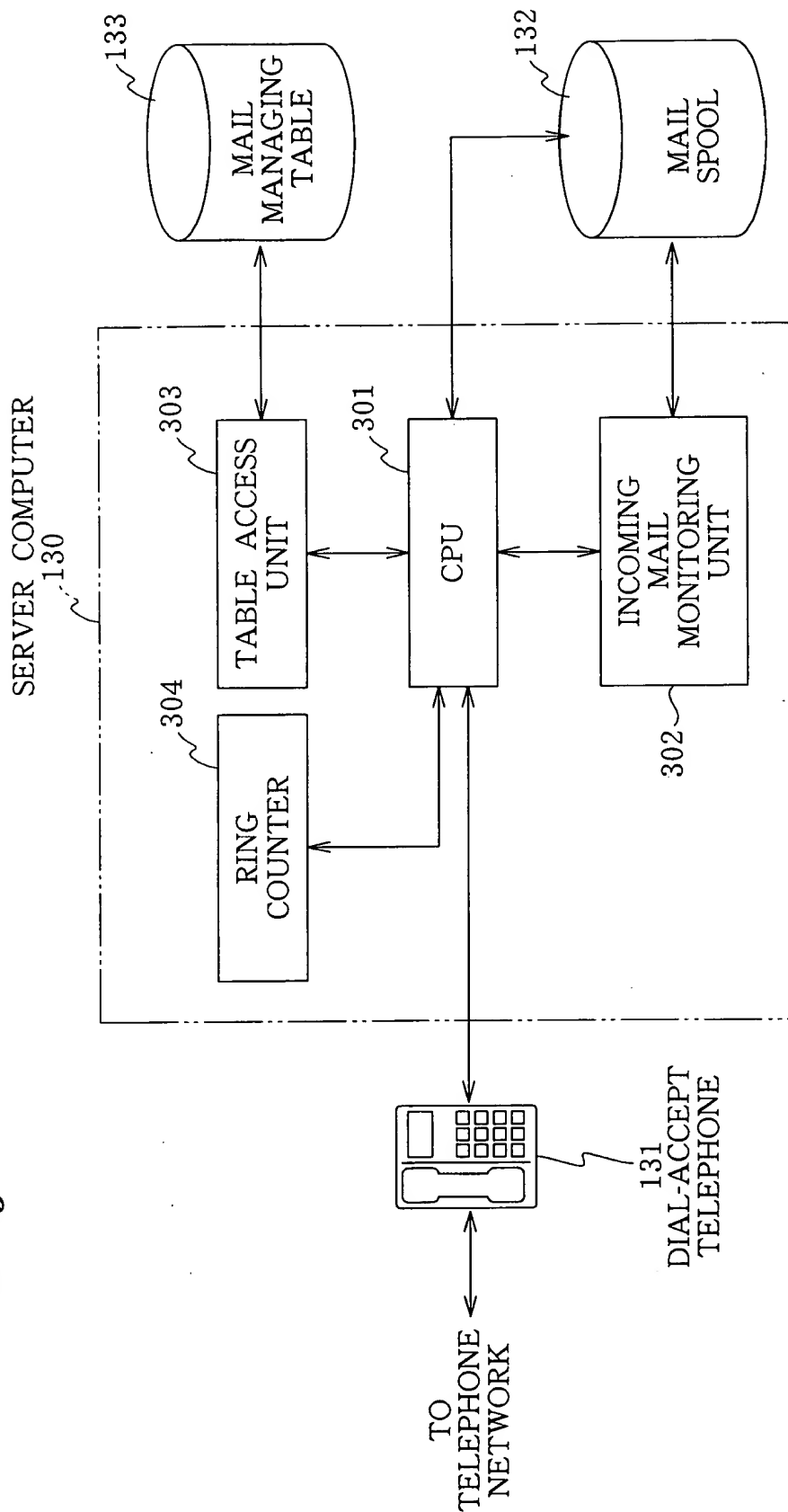


FIG. 5

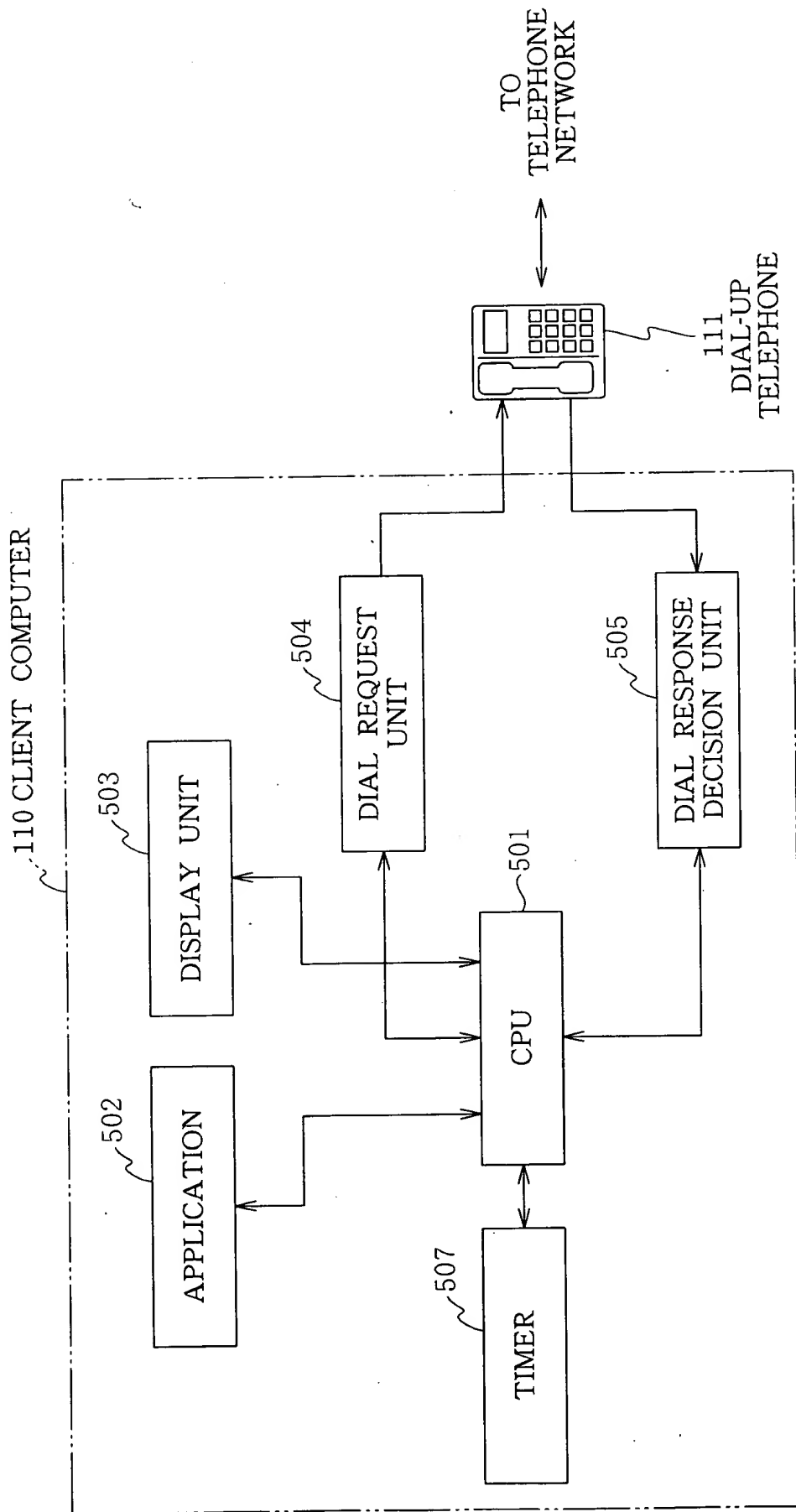


FIG. 6

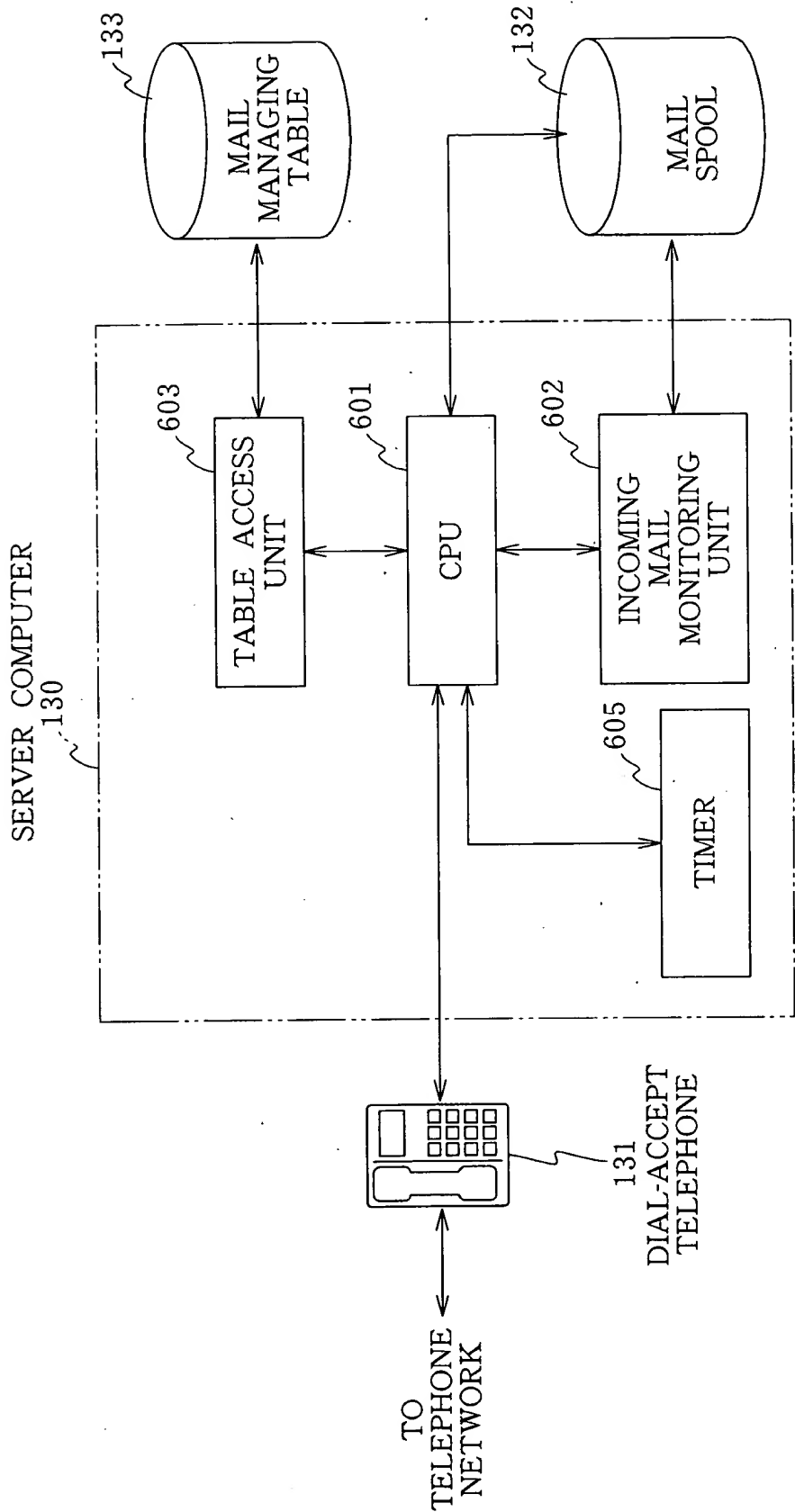
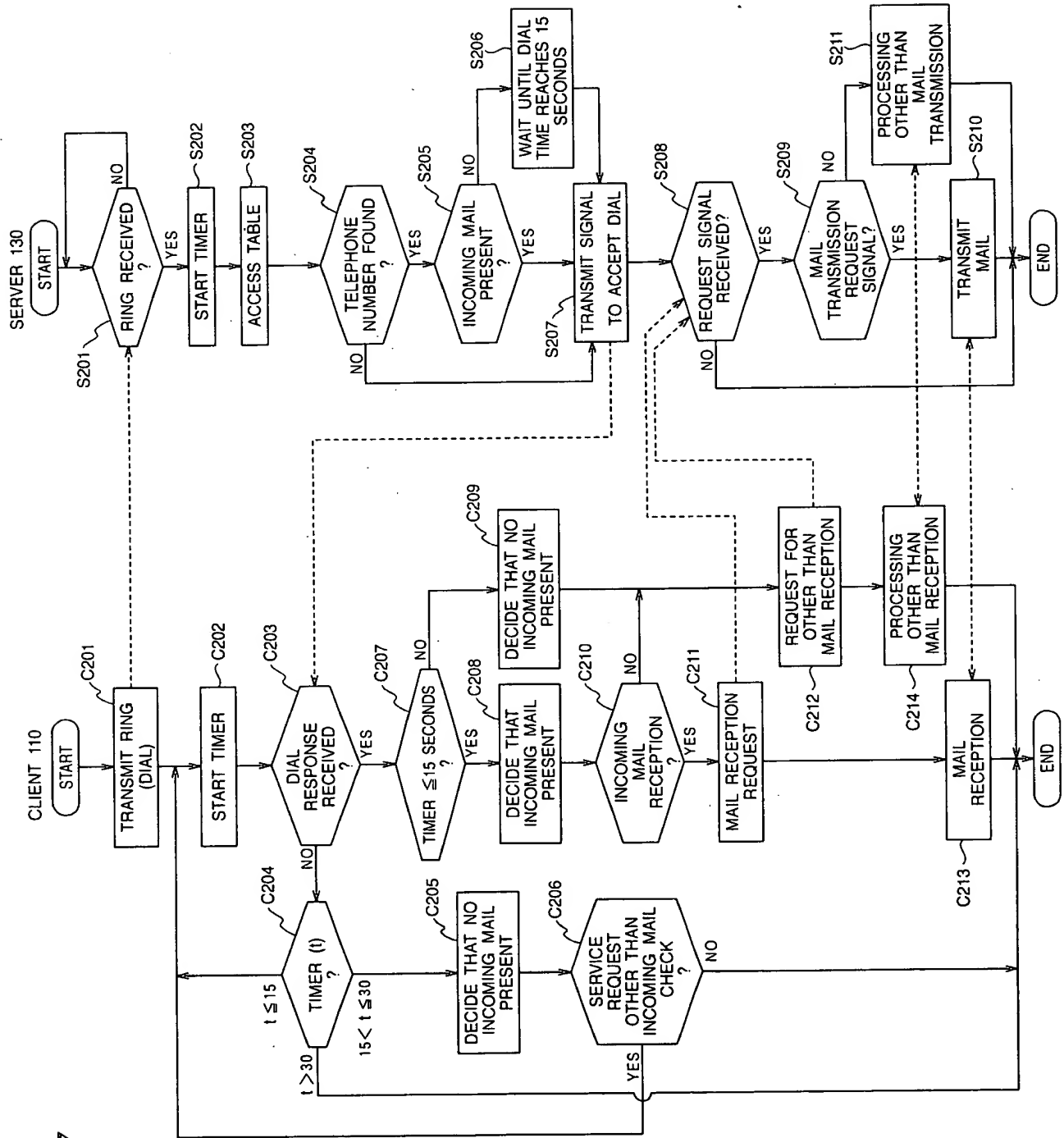


FIG. 7



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FIG. 8

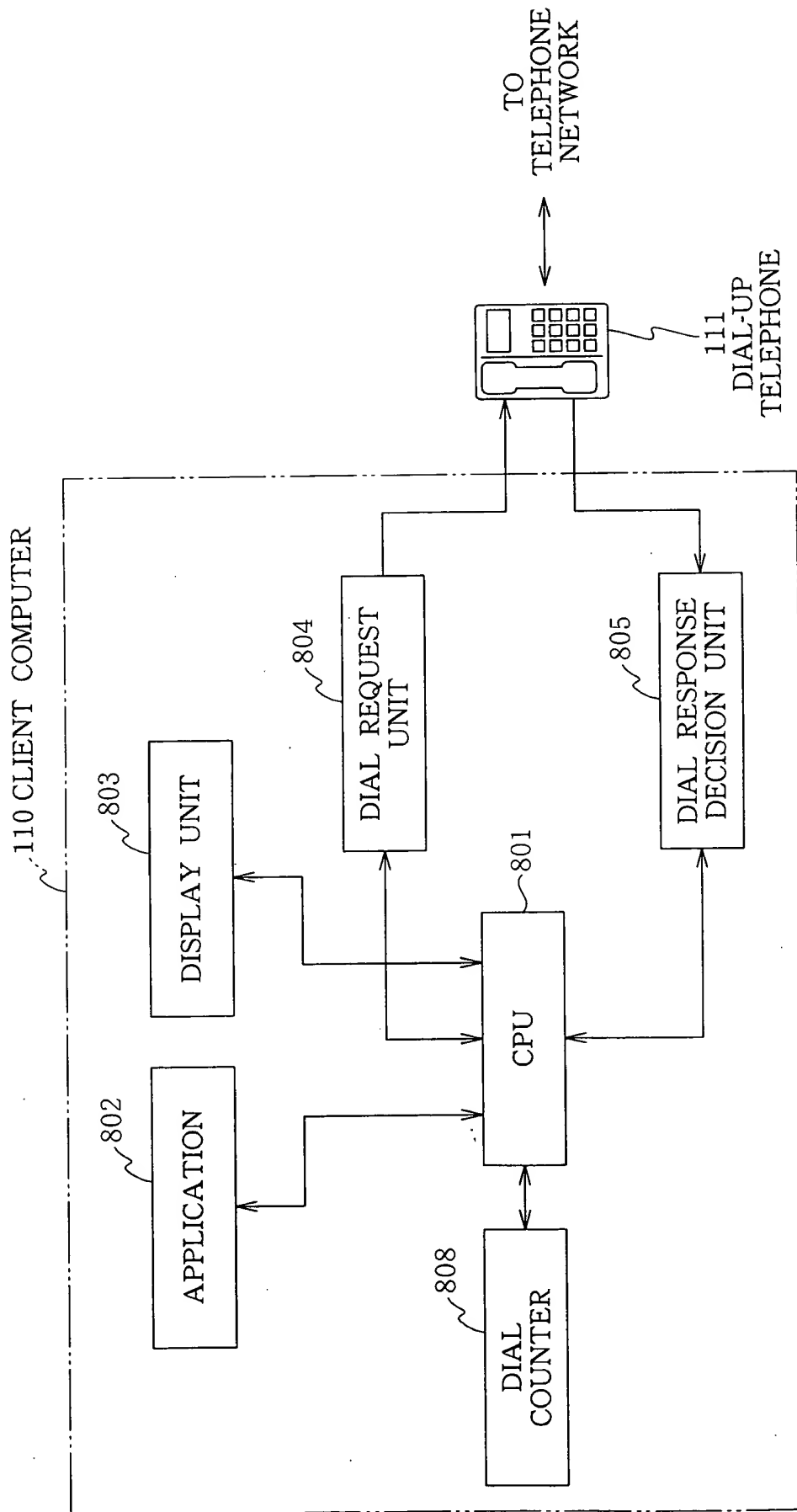
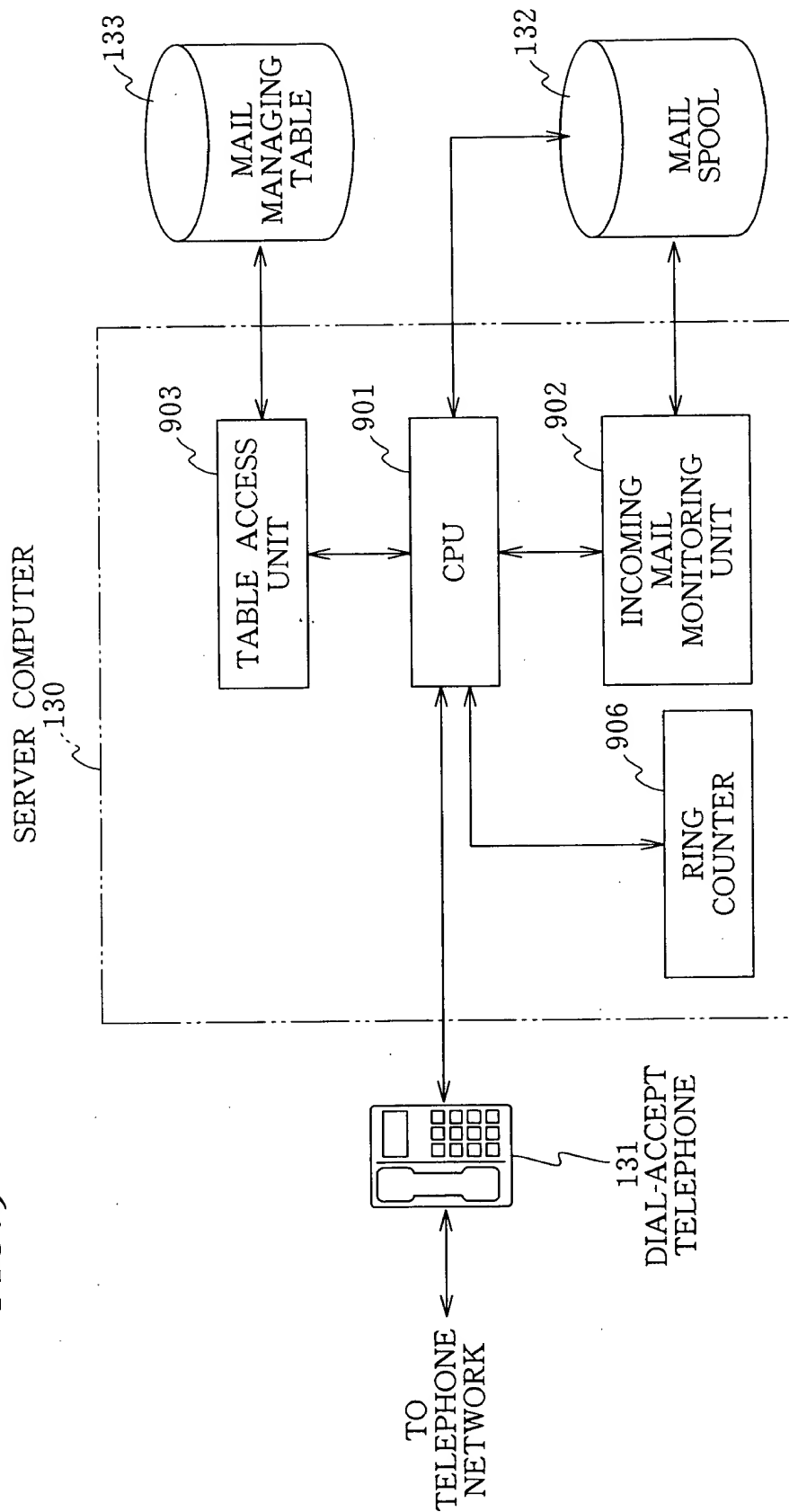


FIG. 9



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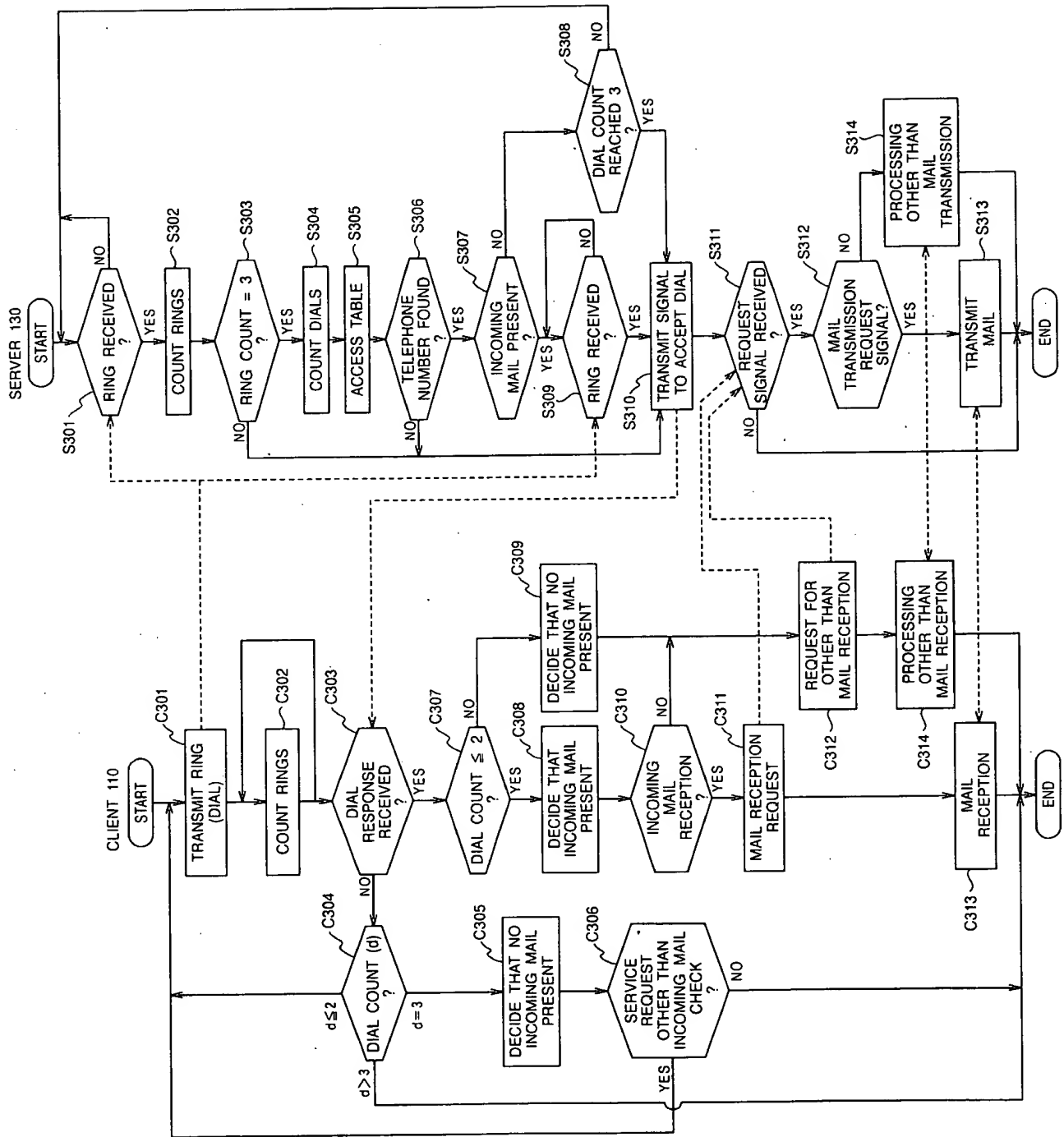
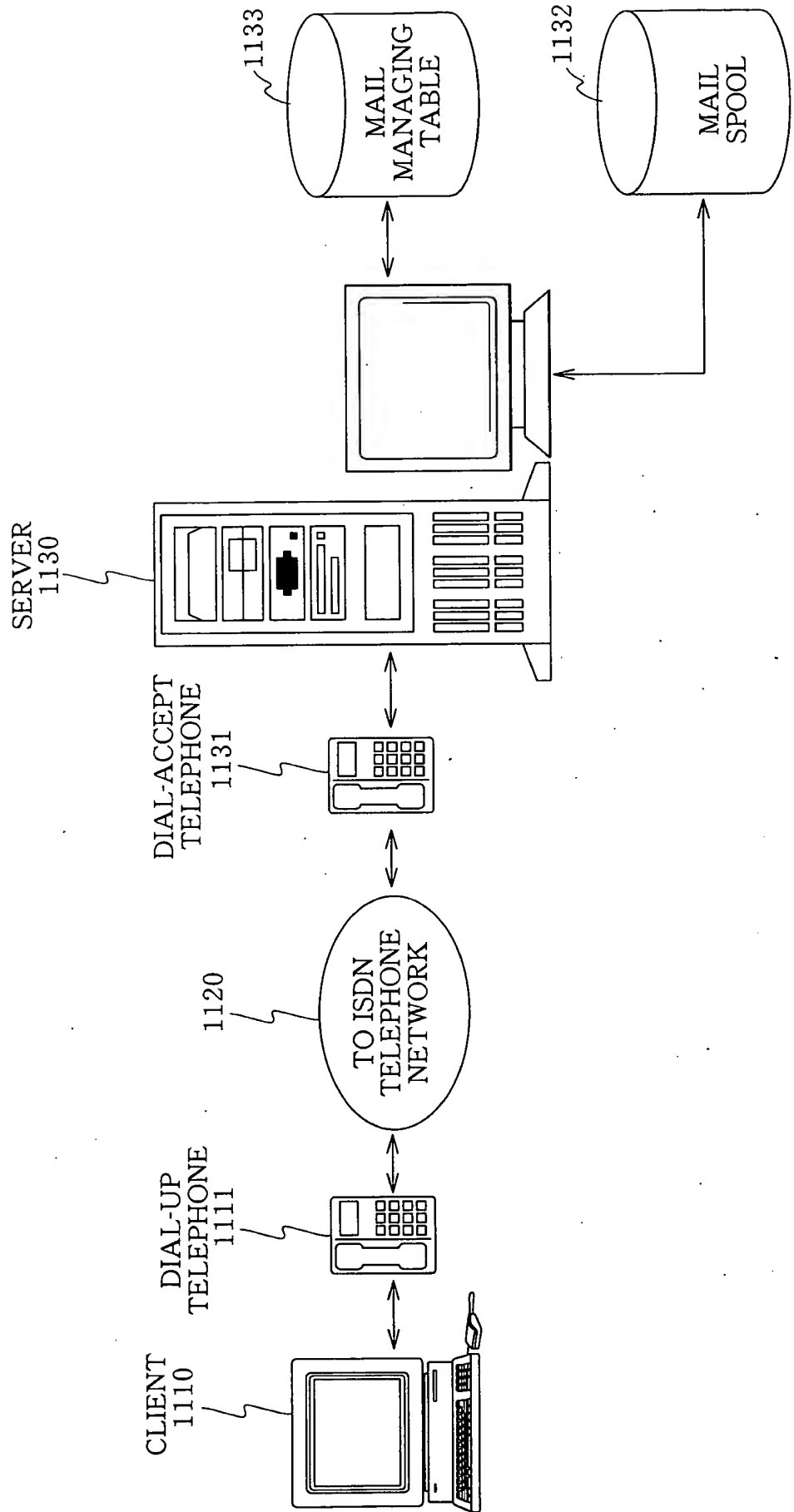


FIG. 11



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FIG. 12

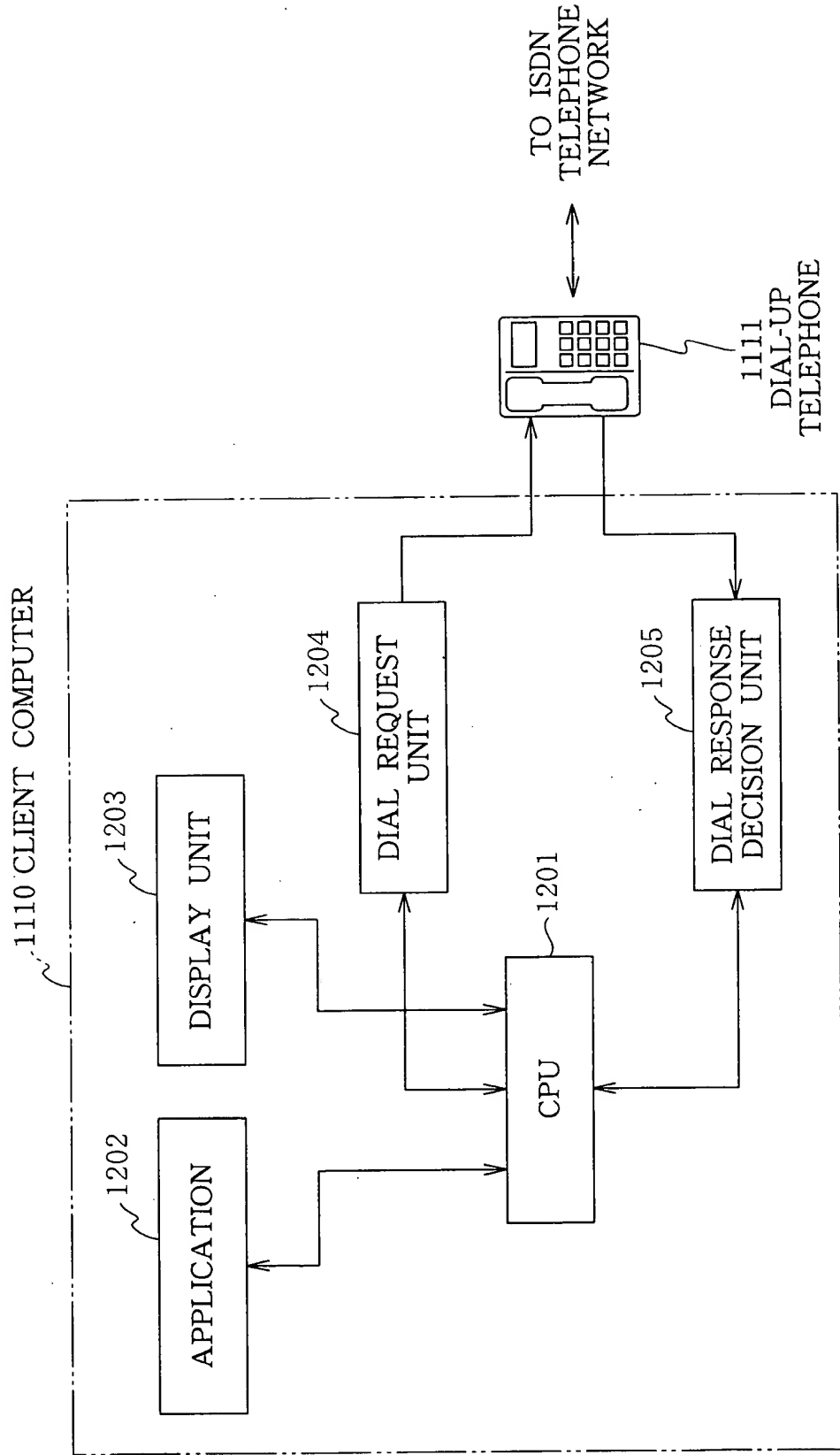


FIG. 13

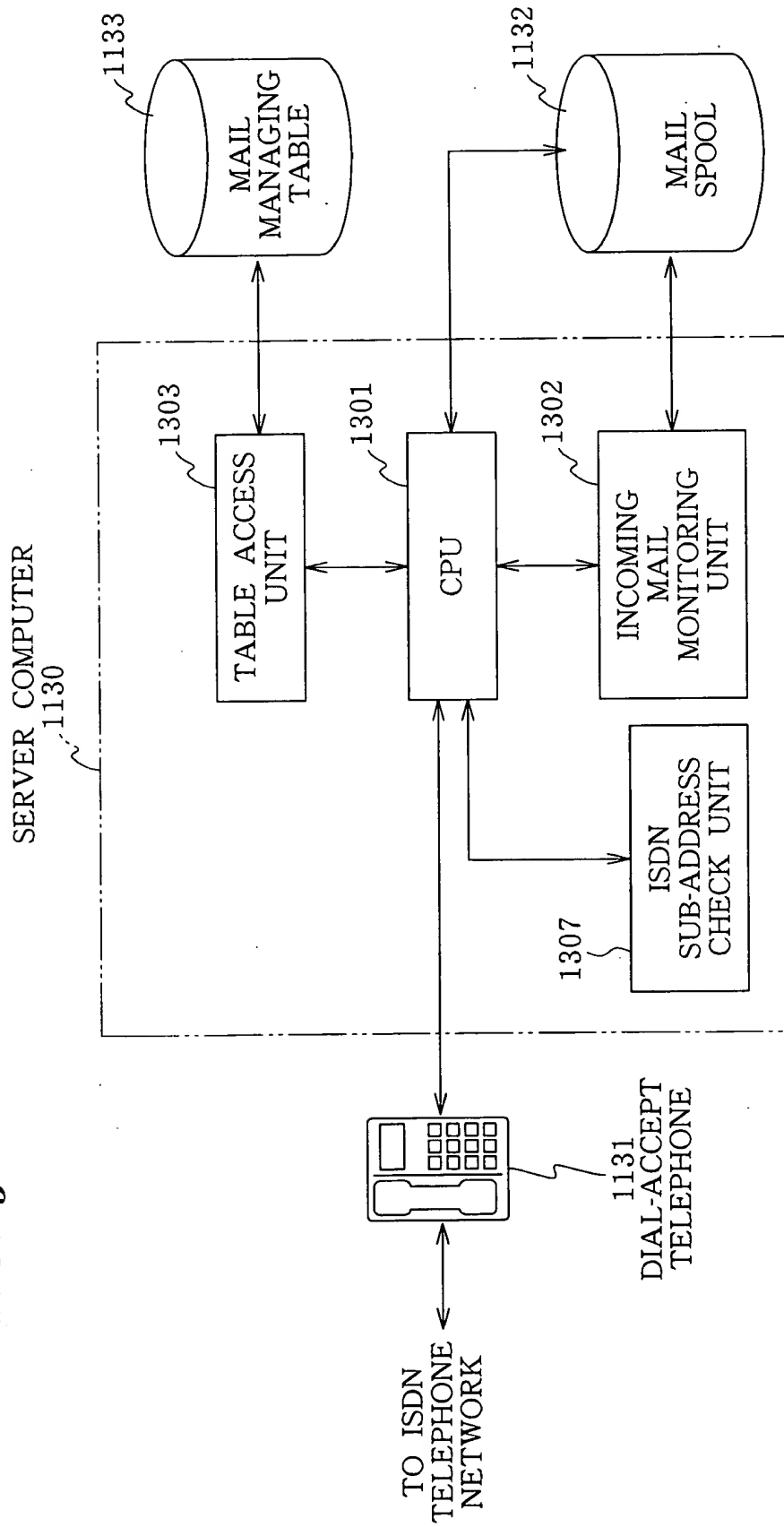
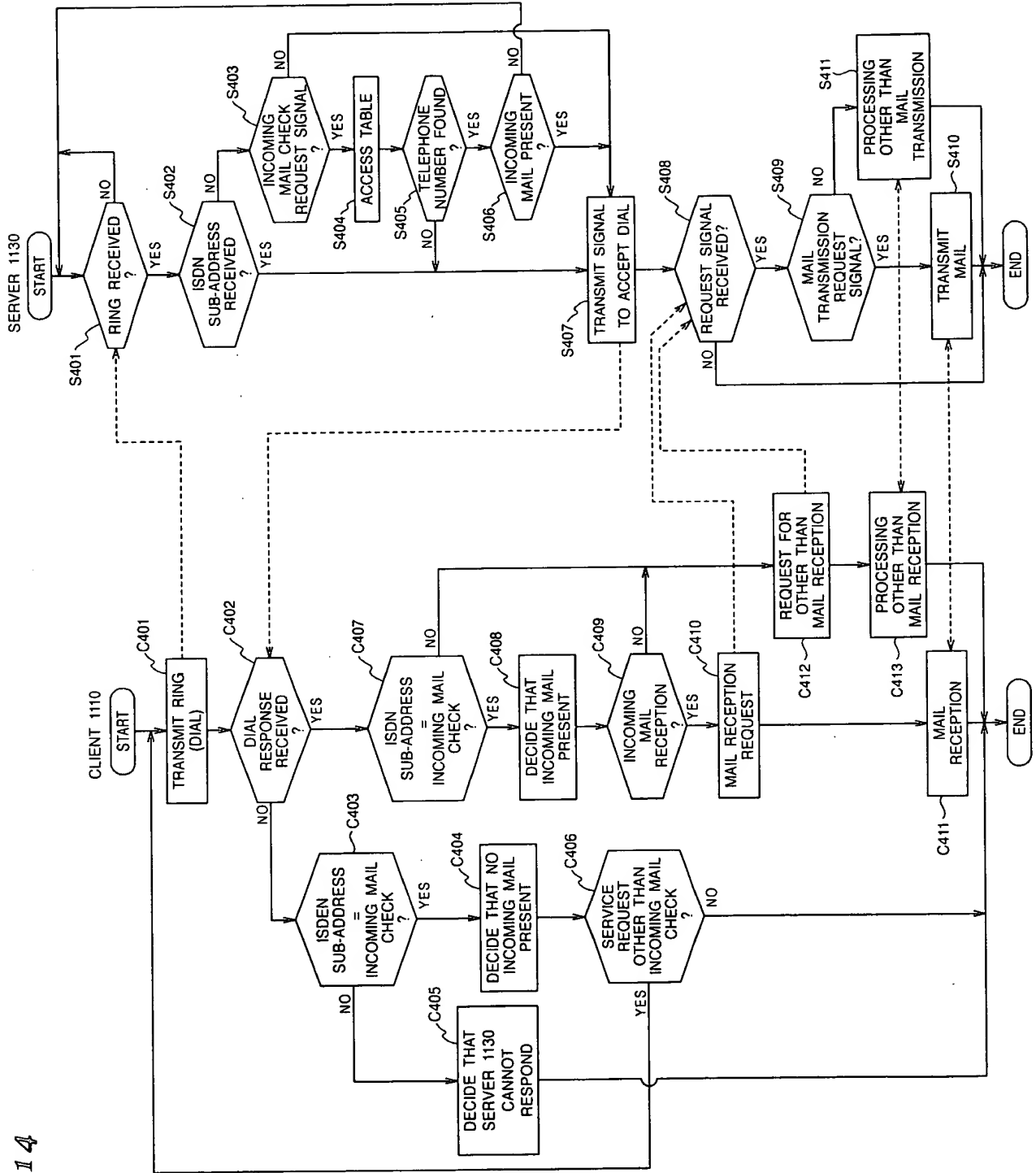


FIG. 14



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FIG. 15

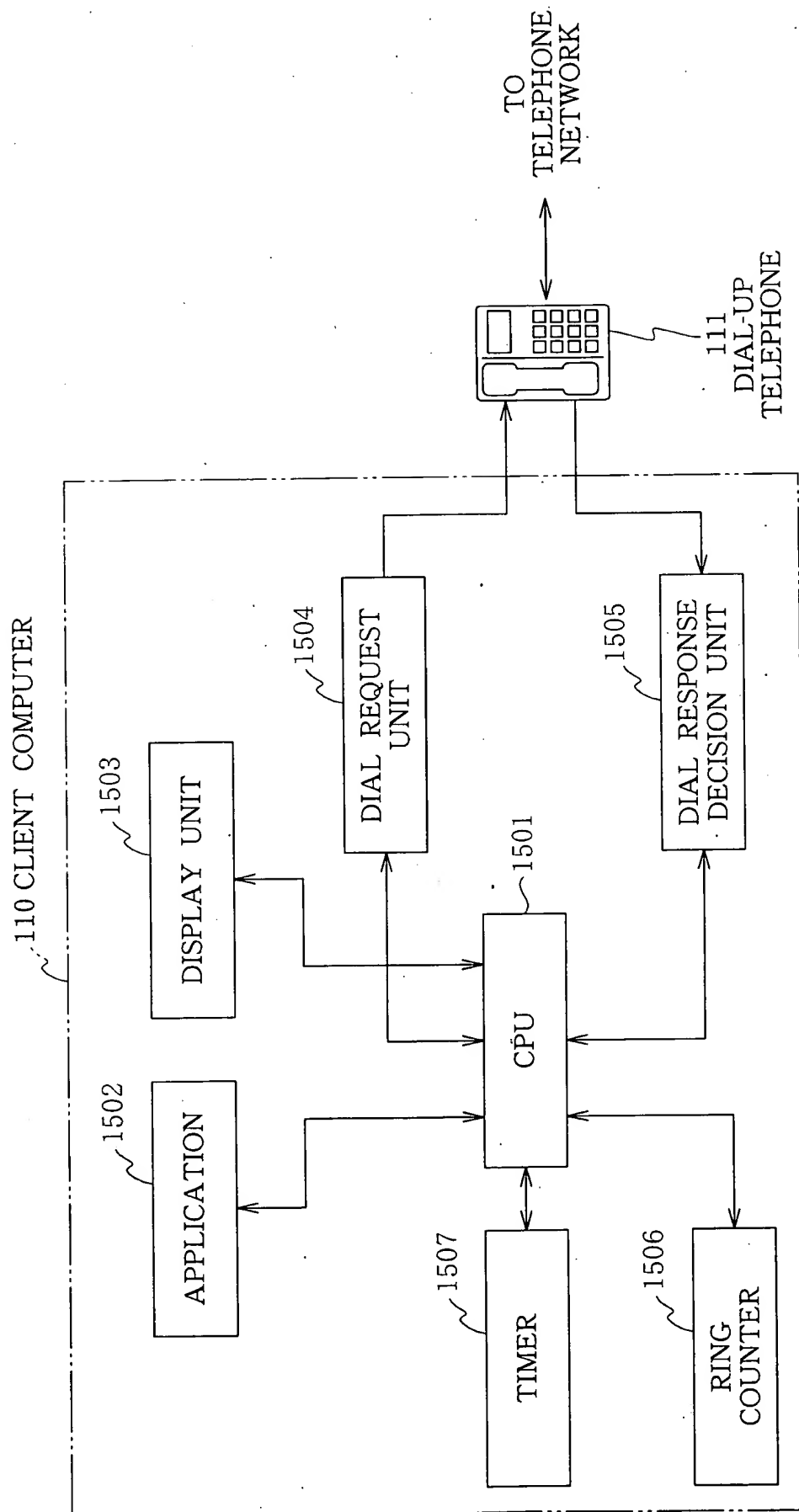
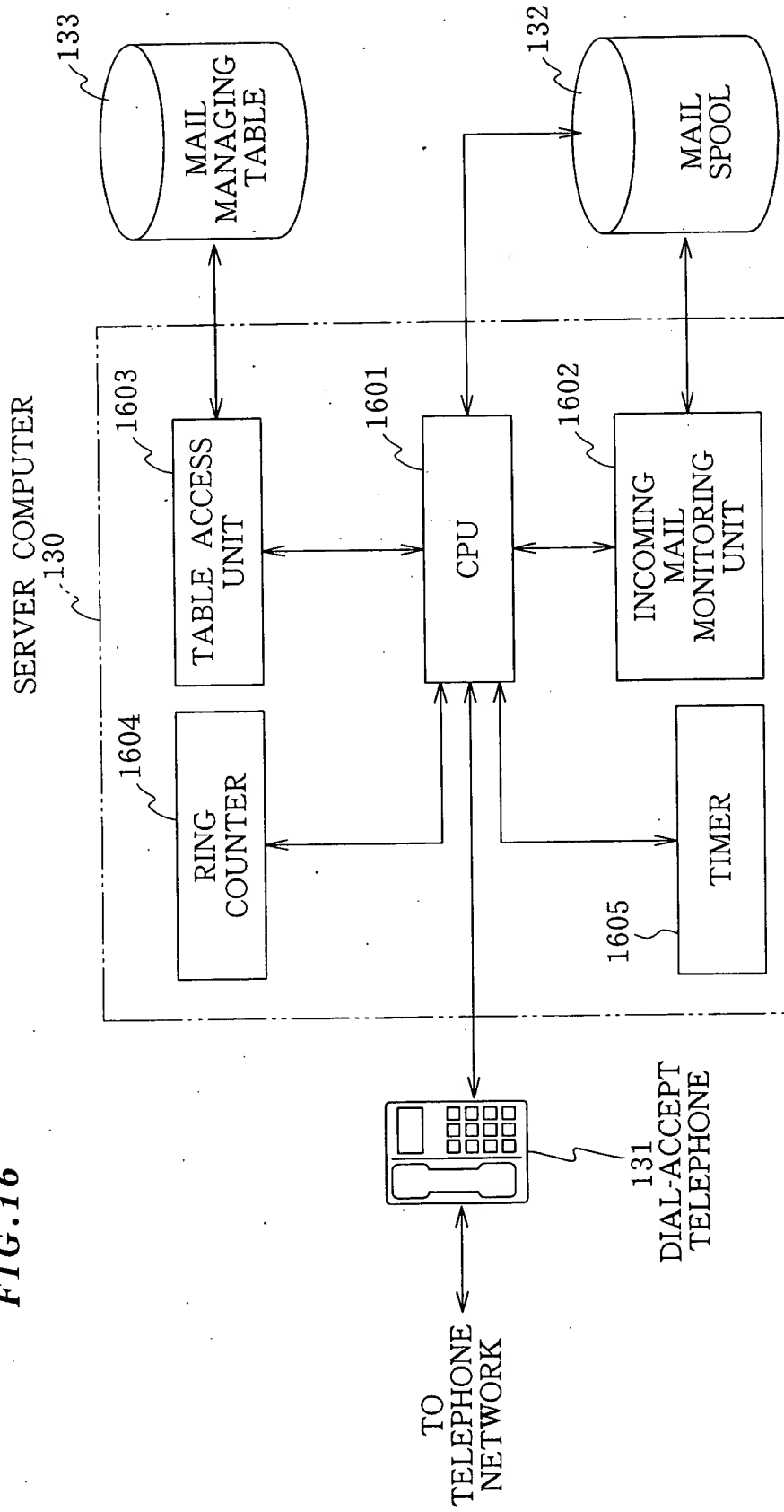


FIG. 16



The flowchart illustrates the process of mail transmission between a SERVER 130 and a CLIENT 110. The process is divided into two main sections: SERVER 130 (top) and CLIENT 110 (bottom).

SERVER 130 Process:

- START** (Oval) leads to **S501: RING RECEIVED?** (Decision).
- If **NO**, it loops back to **S501**.
- If **YES**, it proceeds to **S502: COUNT RINGS** (Process).
- Then **S503: START TIMER** (Process).
- Then **S504: ACCESS TABLE** (Process).
- Then **S505: TELEPHONE NUMBER FOUND?** (Decision).
- If **NO**, it proceeds to **S507: WAIT UNTIL RING COUNT REACHES 5** (Process).
- If **YES**, it proceeds to **S506: INCOMING MAIL PRESENT?** (Decision).
- If **NO**, it proceeds to **S508: WAIT FOR 15 SECONDS** (Process).
- If **YES**, it proceeds to **S509: TRANSMIT SIGNAL TO ACCEPT DIAL** (Process).
- Then **S510: REQUEST SIGNAL RECEIVED?** (Decision).
- If **NO**, it loops back to **S509**.
- If **YES**, it proceeds to **S511: MAIL TRANSMISSION REQUEST SIGNAL?** (Decision).
- If **NO**, it proceeds to **S513: PROCESSING OTHER THAN MAIL TRANSMISSION** (Process).
- If **YES**, it proceeds to **S512: TRANSMIT MAIL** (Process).
- Both **S512** and **S513** lead to **END** (Oval).

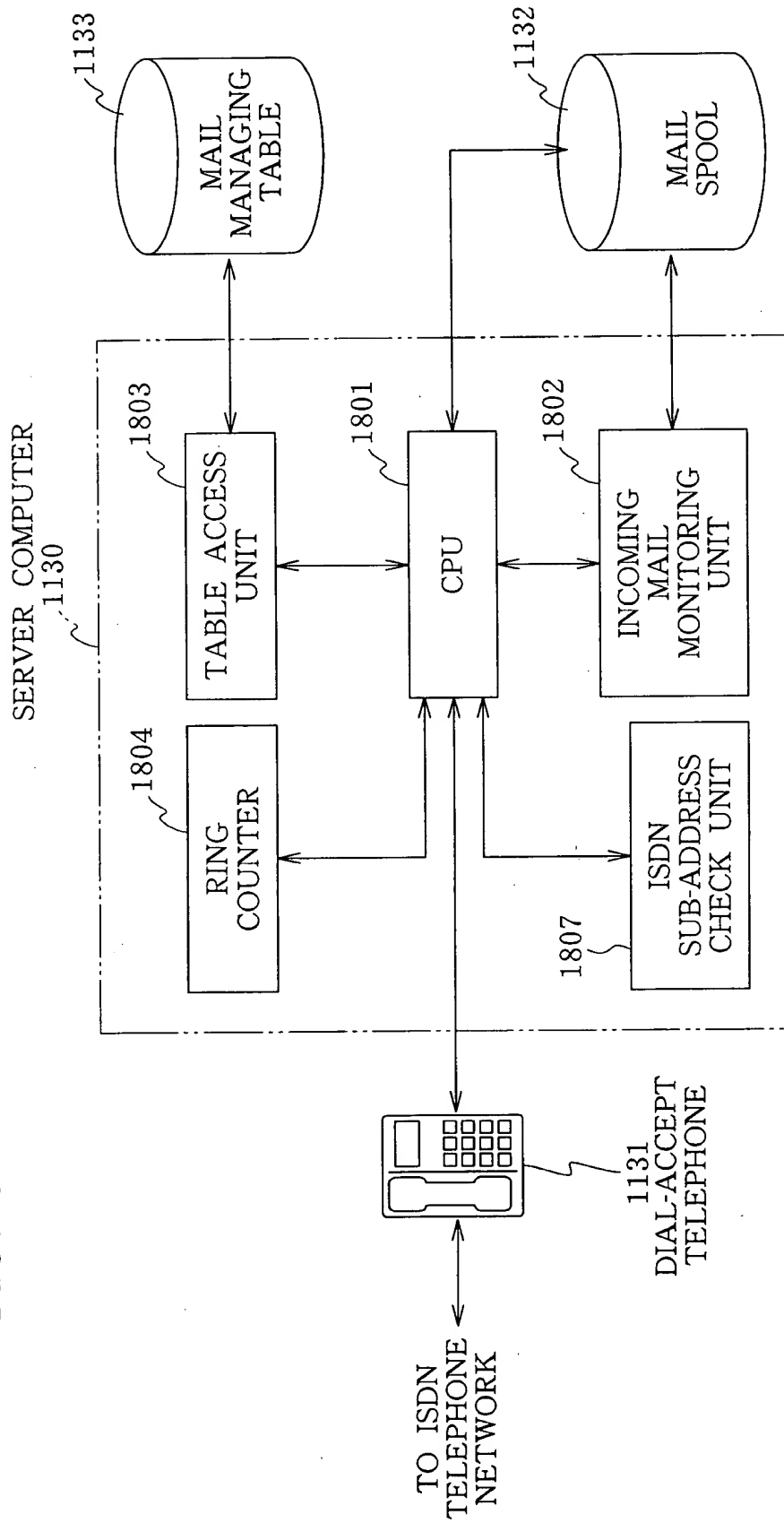
CLIENT 110 Process:

- START** (Oval) leads to **C501: TRANSMIT RING (DIAL)** (Process).
- Then **C502: COUNT RINGS** (Process).
- Then **C503: START TIMER** (Process).
- Then **C504: DIAL RESPONSE RECEIVED?** (Decision).
- If **NO**, it proceeds to **C505: 1 RING COUNT (r) OR DIAL TIME (dt)?** (Decision).
- If **YES**, it proceeds to **C508: r ≤ 5 OR dt ≤ 15?** (Decision).
- If **NO**, it proceeds to **C510: DECIDE THAT NO INCOMING MAIL PRESENT** (Process).
- If **YES**, it proceeds to **C509: DECIDE THAT INCOMING MAIL PRESENT** (Process).
- Both **C509** and **C510** lead to **C511: INCOMING MAIL RECEPTION?** (Decision).
- If **NO**, it proceeds to **C512: MAIL RECEPTION REQUEST** (Process).
- If **YES**, it proceeds to **C513: MAIL RECEPTION** (Process).
- Then **C514: REQUEST FOR OTHER THAN MAIL RECEPTION** (Process).
- Then **C515: PROCESSING OTHER THAN MAIL RECEPTION** (Process).
- Both **C513** and **C515** lead to **END** (Oval).

Interactions and Transitions:

- S509** (SERVER) sends a signal to **C501** (CLIENT).
- C512** (CLIENT) sends a request to **S510** (SERVER).
- C513** (CLIENT) receives mail from **S512** (SERVER).
- C515** (CLIENT) receives processing information from **S513** (SERVER).

FIG. 18



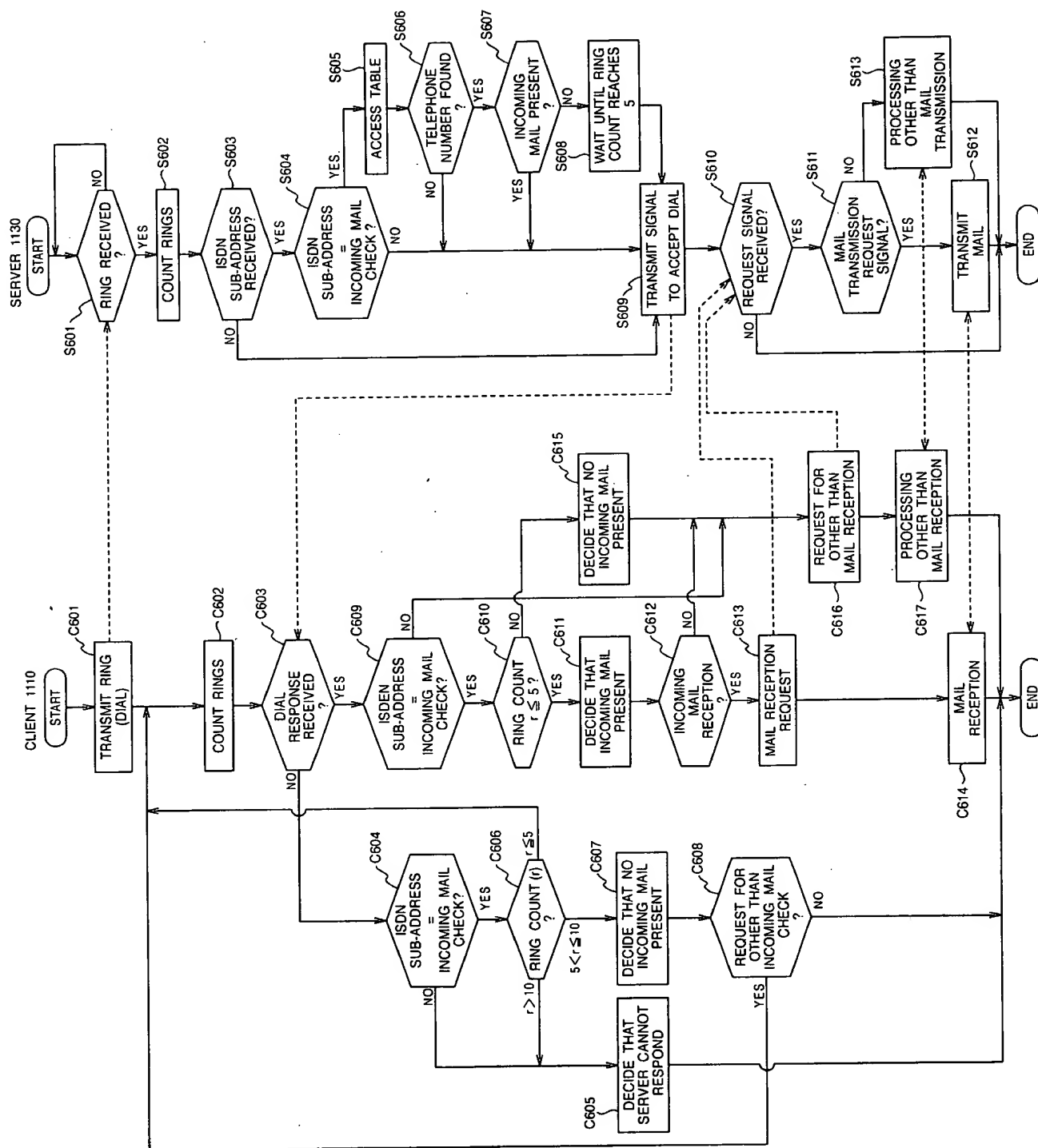
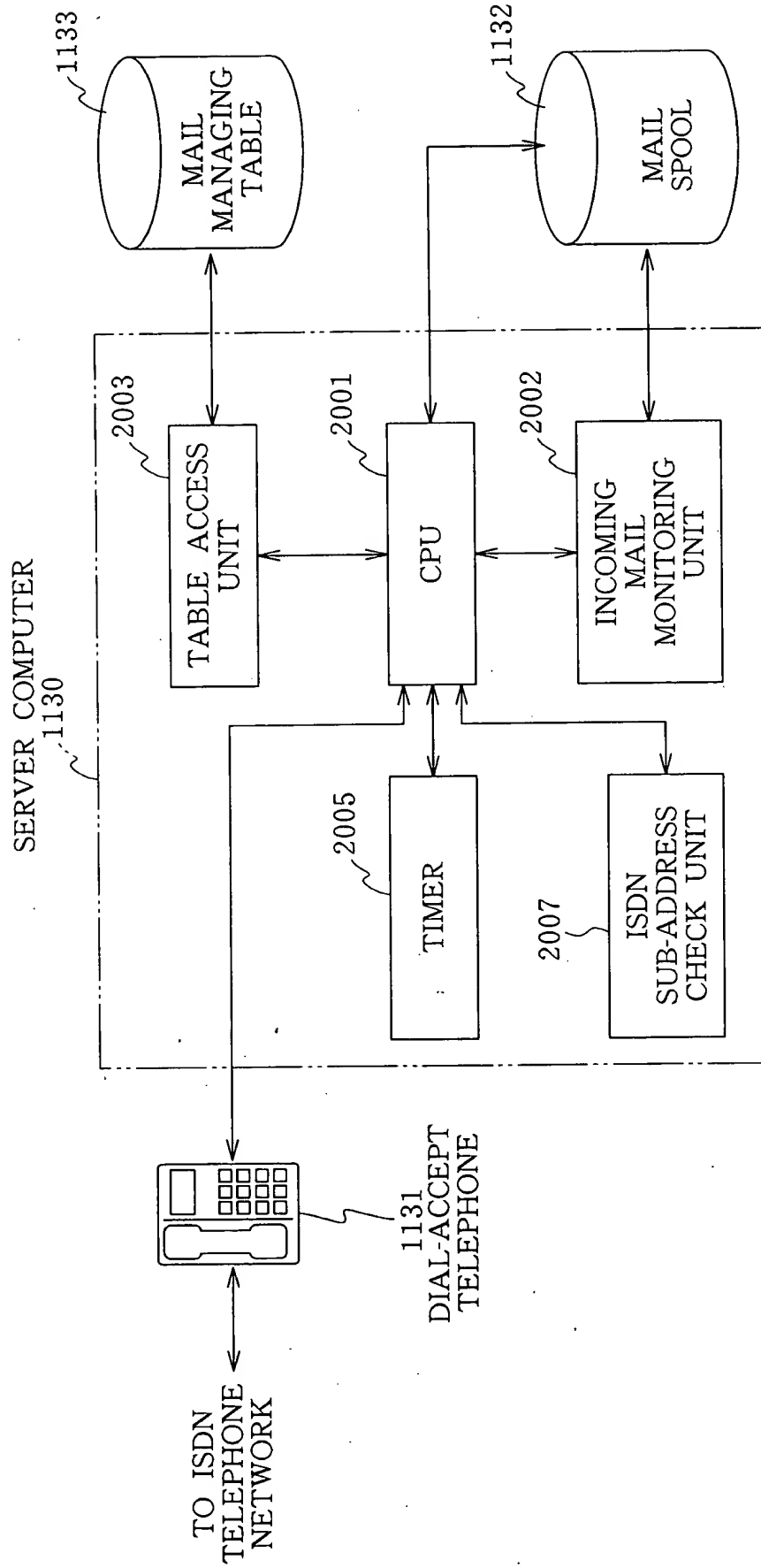


FIG. 20



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